

*Abstract*

1        PWM AC power is supplied to an induction motor or other AC load. The  
2        frequency and magnitude of the waveforms is controlled by detecting the peak  
3        voltage or width of the reverse EMF pulses at the commencement of the power  
4        waveform applied to the load, and then adjusting the applied AC power based on  
5        the detected peak voltage or width. Alternatively, the depth of width of a notch  
6        that follows the reverse EMF pulse can be detected and used to control the applied  
7        AC power.

2025 RELEASE UNDER E.O. 14176